

Perbandingan model perkuatan (Tipe H dan D) terhadap model normal (Tipe K) dalam menentukan daktilitas Confined Masonry/ Ajun Hariono, Muhammad Rusli, Hanna Yuni Hernanti

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Abstrak

ABSTRAK

Indonesia area extremely vulnerable to earthquake. earthquakes have caused thousands of casualties, destruction and damage to thousands of infrastructure, as well as trillions of rupiah of funds for rehabilitation and reconstruction. Prevention of damage due to ground movement can be done through good structural design and construction process. one of structural system type that is widely used in Indonesian building houses were confined masonry system. based on seismicity experience, ductility is a very important parameter to ensuring the safety of structure. results of this study will be used as an alternative technology of confine masonry ductility enhancement in structural design process. research methodology was experimental testing and numerical analysis. experiment testing was lateral cyclic full scale. analyzed aspects of the test results were: strength, stiffness and ductility. Test specimen were three pieces, namely: conventional model (K), strengthening horizontal model (H) and strengthening diagonal model (D). From the results of testing and data analysis known that the performance of strength, stiffness and ductility of H model is superior to other models.